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			ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/706,546	12/2003	Feng-Wei Chen Russell	RSW920030186USI	6883
23550 7590	10/18/2006		EXAM	INER
HOFFMAN WARNIC 75 STATE STREET	K & D'ALESS	TIMBLIN, ROBERT M		
14TH FLOOR ALBANY, NY 12207			ART UNIT	PAPER NUMBER
			2167	

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/706,546	RUSSELL ET AL.
Office Action Summary	Examiner	Art Unit
	Robert M. Timblin	2167
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period v  - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on <u>03 At</u> 2a) This action is <b>FINAL</b> . 2b) This 3) Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final.	
Disposition of Claims		
4) Claim(s) 1-31 is/are pending in the application.  4a) Of the above claim(s) is/are withdray  5) Claim(s) is/are allowed.  6) Claim(s) 1-31 is/are rejected.  7) Claim(s) is/are objected to.  8) Claim(s) are subject to restriction and/or  Application Papers  9) The specification is objected to by the Examine  10) The drawing(s) filed on is/are: a) according a position of the Replacement drawing sheet(s) including the correct	wn from consideration.  r election requirement.  r.  epted or b) objected to by the lidrawing(s) be held in abeyance. See ion is required if the drawing(s) is objected.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the Ex	taminer. Note the attached Office	Action or form PTO-152.
Priority under 35 U.S.C. § 119  12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati rity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachment(s)  1) Notice of References Cited (PTO-892)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate

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**DETAILED ACTION** 

This office action corresponds to application 10/706,546 and applicant's remarks and

amendments filed 8/3/2006.

Claims 1-31 remain pending in this application.

Response to Amendment

Claim Objections

Claims 1 and 7 are objected to because of the following informalities:

As per claim 7, line 1 of this claim reads "the matching resource." As claim 7 depends on claim 1, it is unclear which matching resource is referred to. Claim 1 reads in lines 5 and 6 "an external matching resource" and further in the last line "a matching resource." With the current phraseology, one matching resource or two different matching resources can be construed.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-31 are rejected under 35 U.S.C. 102(e) as being anticipated by Gorelik et al. ('Gorelik' hereinafter) U.S. Patent Application 2005/0055369 A1.

With respect to claim 1, and similar claims 9, 16, and 24, Gorelik teaches a computer-implemented method for mapping a user data schema to a mining model schema, comprising:

matching columns of the user data schema to corresponding columns of the mining model schema ([0031, 0058, 0118]) to provide a mapping (abstract, [0015] and [0198] by performing a number of matching processing sequence until a match is found, ([0055] and 606 of figure 6) wherein at least one of the number of matching process does not utilize an external matching resource (metadata index; [0205]);

determining whether data within matching columns of the user data schema has a data type different than data within the corresponding columns of the mining model schema (binding; [0048] and correlation [0052];

transforming the data within the matching columns of the user data schema if the data type is determined to be different (transformation function ([0059], type conversion rules [0237], and transformation discovery [0048-0052]); and

updating a matching resource based on the mapping (updating the metadata index [0221]).

The schema consolidation table of claim 9 is taught by Gorelik as described in respect to claims 2, 17, and 25.

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With respect to claims 2, 17, and 25, Gorelik teaches providing an opportunity to manually alter the mapping after transforming the data ([0159-0160]); and

presenting a final view of the mapping after providing the opportunity, wherein the updating step is performed after the final view is presented (figures 7A-7B).

With respect to claims 3, 10, 18, and 26, Gorelik teaches determining whether names of the columns of the user data schema exactly match names of the columns of the mining model data schema (absolute match [0055]).

With respect to claims 4, 11, 19, and 27, Gorelik teaches determining whether the names of the columns of the user data schema are similar to the names of the columns of the mining model data schema based on the matching resource ([0198]-[0206]).

With respect to claims 5, 12, 20, and 28, Gorelik teaches determining whether the names of the columns of the user data schema match the names of the columns of the mining model schema based on one or more formulae (table 1 of page 9 and [0210] to at least [0220].

With respect to claims 6, 13, 21, and 29, Gorelik teaches determining whether the data within the columns of the user data schema corresponds to the data within the columns of the mining model data schema (corresponding values [0052]-[0053]).

With respect to claims 7, 14, 22, 30, Gorelik teaches the matching resource is selected from the group consisting of a thesaurus, a dictionary and a similarity threshold (metadata index [0205] and CorrelationThreshold [0102)].

With respect to claims 8, 15, 23, and 31, Gorelik teaches populating a schema consolidation table with names of the columns of the mining model schema, prior to the matching step (Value Match Table [0094]-[0095]); and

updating the schema consolidation table with names of the matching columns of the user data schema, during the updating step (pseudocode after [0094]).

Claims 16-23 are essentially the same as claims 1-8 except that they set forth the claimed invention as a system rather than a method and are rejected for the same reason as applied hereinabove.

Claims 24-31 are essentially the same as claims 1-8 except that they set forth the claimed invention as a product stored on a computer readable medium rather than a method and are rejected for the same reason as applied hereinabove.

## Response to Arguments

Applicant's arguments with respect to claims 1-31 have been considered but are most in view of the new ground(s) of rejection.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- U.S. Patent 6,785,689 B1 to Daniel et al. 8/31/2004.
- U.S. Patent 5,797,137 to Golshani et al. on 8/18/1998.
- U.S. Patent 6,151,608 to Abrams on 11/21/2000.
- U.S. Patent Application 2004/0249867 A1 to Kraiss et al. on 12/9/2004.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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**Contact Information** 

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Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Robert M. Timblin whose telephone number is 571-272-

5627. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, John R. Cottingham can be reached on 571-272-7079. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Leslie Wong

Robert M. Timblin

**Primary Examiner** 

Patent Examiner AU 2167

RMT

10/10/2006

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TECHNOLOGY CENTER 2100